

Appl. No. 09/758,026
Amdt. dated November 26, 2003
Reply to Office Action of June 3, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended): A pressure vessel comprising:

a seamless tank shell defining an interior space and having an outer surface wherein said tank shell is comprised of more than one bosses, each of said bosses having a threaded portion; said outer surface having a fuel withdrawal assembly or a direct-sight fuel gauge mechanically fastened directly thereto; and said fuel withdrawal assembly includes a threaded portion engaged with said threaded portion of one of said plurality of bosses.

Claim 2 (withdrawn without prejudice): The pressure vessel of claim 1, wherein:

said tank shell is comprised of a plurality of bosses, each of said bosses having a threaded portion; and

said fuel withdrawal assembly includes a threaded portion engaged with said threaded portion of one of said plurality of bosses.

Claim 3 (previously amended): The pressure vessel of claim 1 wherein said fuel withdrawal assembly is engaged with said one of said plurality of bosses by one and one-half revolutions of sealing force.

Claim 4 (currently amended): The pressure vessel of claim 3, wherein said fuel withdrawal assembly includes a withdrawal outlet piece capable of 360 degree rotation when engaged with said fuel withdrawal assembly;

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Claim 5 (original): The pressure vessel of claim 4, wherein said one of said boss which is engaged with said fuel withdrawal assembly is substantially engaged with said interior space of said tank shell and said fuel withdrawal assembly extends less than 1.5 inches above said outer surface of said tank shell.

Claim 6 (previously amended): The pressure vessel of claim 5, wherein the fuel withdrawal assembly comprises a split-nut housing including two mated halves, said mated halves defining an interior space and forming a continuous threaded portion, and, said withdrawal outlet piece rotatably engaged within said interior space defined by said mated halves.

Claim 7 (original): The pressure vessel of claim 6, wherein said one of said plurality of bosses to which the fuel withdrawal assembly is connected is comprised of a substantially capped end, the fuel withdrawal assembly is comprised of a lower flange having a lower surface, and the lower surface engages the capped end to form a seal.

Claim 8 (previously amended): The pressure vessel of claim 7, wherein the pressure vessel comprises a direct-sight fuel gauge having a threaded portion engaged with said threaded portion of one of said plurality of bosses.

Claim 9 (previously amended): The pressure vessel of claim 8, wherein the direct-sight fuel gauge comprises:

a gauge neck having a lower portion having threads, an upper portion having threads, and an interior wall having a gauge cap having threads wherein the lower portion of the gauge neck is threadedly connected to said one of said plurality of bosses, the gauge cap is threadedly connected to said upper portion of the gauge neck.

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Claim 10 (original): The pressure vessel of claim 9 wherein the tank shell is comprised of high-density polyethylene.

Claim 11 (original): The pressure vessel of claim 10 wherein the fuel withdrawal assembly is substantially comprised of 20% glass-filled polypropylene.

Claim 12 (original): The pressure vessel of claim 11 wherein the threads of said plurality of bosses are buttress-style threads.

Claim 19 (previously amended): The pressure vessel of claim 1, wherein said one of said plurality of bosses to which the fuel withdrawal assembly is engaged is comprised of a substantially capped end, the fuel withdrawal assembly is comprised of a lower flange having a lower surface, and the lower surface engages the capped end to form a seal.

Claim 20 (previously amended): The pressure vessel of claim 1 wherein said tank shell is comprised of high-density polyethylene.

Claim 29 (previously added): The pressure vessel of claim 9, wherein said interior wall of said gauge neck has two cradles and a plurality of tabs; a float arm having cross-bars; and said cross-bars of said float arm are engaged with said cradles and said plurality of tabs secure the cross-bars with the cradles.

Claim 30 (previously added): A pressure vessel comprising:

a seamless tank shell defining an interior space and having an outer surface wherein said tank shell is comprised of more than one bosses, each of said bosses having a threaded portion; said outer surface having a fuel withdrawal assembly or a direct-sight fuel gauge mechanically fastened thereto; and said fuel withdrawal assembly includes a threaded portion engaged with

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said threaded portion of one of said plurality of bosses; and

said fuel withdrawal assembly is engaged with said one of said plurality of bosses by one and one-half revolutions of sealing force; and

said fuel withdrawal assembly includes a withdrawal outlet piece capable of 360 degree rotation when engaged with said fuel withdrawal assembly; and

said one of said boss which is engaged with said fuel withdrawal assembly is substantially engaged with said interior space of said tank shell and said fuel withdrawal assembly extends less than 1.5 inches above said outer surface of said tank shell; and

the fuel withdrawal assembly comprises a split-nut housing including two mated halves, said mated halves defining an interior space and forming a continuous threaded portion, and, said withdrawal outlet piece rotatably engaged within said interior space defined by said mated halves; and

said one of said plurality of bosses to which the fuel withdrawal assembly is connected is comprised of a substantially capped end, the fuel withdrawal assembly is comprised of a lower flange having a lower surface, and the lower surface engages the capped end to form a seal; and

the pressure vessel comprises a direct-sight fuel gauge having a threaded portion engaged with said threaded portion of one of said plurality of bosses; and

the direct-sight fuel gauge comprises:

a gauge neck having a lower portion having threads, an upper portion having threads, and an interior wall having a gauge cap having threads wherein the lower portion of the gauge neck

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is threadedly connected to said one of said plurality of bosses, the gauge cap is threadedly connected to said upper portion of the gauge neck.

Claim 31 (previously added): The pressure vessel of claim 30, wherein said interior wall of said gauge neck has two cradles and a plurality of tabs; a float arm having cross-bars; and said cross-bars of said float arm are engaged with said cradles and said plurality of tabs secure the cross-bars with the cradles.

Claim 32 (previously added): The pressure vessel of claim 30 wherein the tank shell is comprised of high-density polyethylene.

Claim 33 (previously added): The pressure vessel of claim 32 wherein the fuel withdrawal assembly is substantially comprised of 20% glass-filled polypropylene.

Claim 34 (previously added): The pressure vessel of claim 33 wherein the threads of said plurality of bosses are buttress-style threads.